

ABSTRACT OF THE DISCLOSURE

Communications signal transcoder. A solution is provided to transcode a signal from a first signal type to a second signal type to ensure proper interfacing between devices that may operate using different signal types. For example, within a communication system, a first signal type (having a first modulation type, e.g., 8 PSK) may be received. The transcoder then ensures that this signal, after it has undergone any initial processing (such as tuning, down-converting, decoding, and so on), is encoded into a second signal type (having a second modulation type, e.g., QPSK) such that it can interface properly with a device for which the received signal is intended. This transcoder functionality may be implemented within discrete components, or it may alternatively be integrated within a functional block of an integrated circuit. This functionality may be implemented in a variety of communication systems including satellite, cable television, Internet, and others.